

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **LOW PIN COUNT DC-MOTOR INTEGRATED DRIVE CIRCUIT** the specification of which was filed on November 22, 1999 as Application No. 09/444,550.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date
60/128,675	April 9, 1999

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status

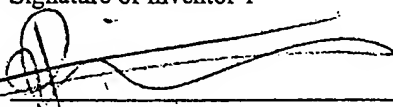
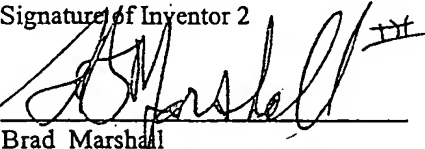
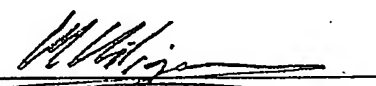
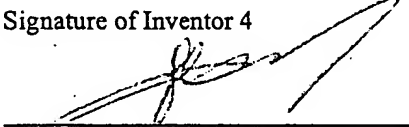
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Gerald T. Gray, Reg. No. 41,797
 Kenneth R. Allen, Reg. No. 27,301
 Babak S. Sani, Reg. No. 37,495

Send Correspondence to: Gerald T. Gray TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8 th Floor San Francisco, California 94111-3834	Direct Telephone Calls to: Name: Gerald T. Gray Reg. No.: 41,797 Telephone: 415-576-0200
---	--

Full Name of Inventor 1:	Last Name: De WINTER	First Name: RUDI	Middle Name or Initial:	
Residence & Citizenship:	City: Heusden-Zolder	State/Foreign Country: Belgium	Country of Citizenship: Belgium	
Post Office Address:	Post Office Address: Corbiestraat 9	City: Heusden-Zolder	State/Country: Belgium	Postal Code: B-3550
Full Name of Inventor 2:	Last Name: MARSHALL	First Name: BRAD	Middle Name or Initial:	
Residence & Citizenship:	City: Dumbarton	State/Foreign Country: NH	Country of Citizenship: United States of America	
Post Office Address:	Post Office Address: 33 Guinea Road	City: Dumbarton	State/Country: NH	Postal Code: 03045
Full Name of Inventor 3:	Last Name: HILIGSMANN	First Name: VINCENT	Middle Name or Initial:	
Residence & Citizenship:	City: Chenée	State/Foreign Country: Belgium	Country of Citizenship: Belgium	
Post Office Address:	Post Office Address: Quai des Ardennes 157/21	City: Chenée	State/Country: Belgium	Postal Code: B-4032
Full Name of Inventor 4:	Last Name: LAULANET	First Name: Francois-PIERRE	Middle Name or Initial:	
Residence & Citizenship:	City: Brussels	State/Foreign Country: Belgium	Country of Citizenship: France	
Post Office Address:	Post Office Address: 129 Avenue Le Marinel	City: Brussels	State/Country: Belgium	Postal Code: 1040

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  Rudi De Winter Date 9-Feb-2000	Signature of Inventor 2  Brad Marshall Date 14 Feb 2000	Signature of Inventor 3  Vincent Hilgsmann Date 9-Feb-00
Signature of Inventor 4  Francois-Pierre Laulanet Date 9-Feb-2000		



016998 01310US 6T6m4
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MAY 31, 2000

PTAS

TOWNSEND AND TOWNSEND AND CREW LLP
GERALD T. GRAY
TWO EMBARCADERO CENTER
8TH FLOOR
SAN FRANCISCO, CA 94111-3834



101313897A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/06/2000

REEL/FRAME: 010662/0711
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
DEWINTER, RUDI

DOC DATE: 02/09/2000

ASSIGNOR:
MARSHALL, BRAD

DOC DATE: 02/14/2000

ASSIGNOR:
HILIGSMANN, VINCENT

DOC DATE: 02/09/2000

ASSIGNOR:
LAULANET, FRANCOIS-PIERRE

DOC DATE: 02/09/2000

ASSIGNEE:
MELEXIS NV
ROZENDAALSTRAAT 12
IEPER B-8900, BELGIUM

SERIAL NUMBER: 09444550
PATENT NUMBER:

FILING DATE: 11/22/1999

GRANT/ISSUE DATE:

23 OCT 2000

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RECORDATION

010662/0711 PAGE 2

TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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RECORDATION

FILED
3.6.00

04-10-2000

Attorney Docket No. 16998-13-1US

FORM PTO-1595

(Rev. 6-93)

To the Honorable Asst. Commissioner

U.S. Department of Commerce
Patent and Trademark Office

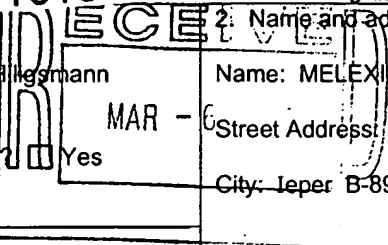
1. Name of conveying party(ies):

Rudi deWinter; Brad Marshall; Vincent Hilgsmann
and Francois-Pierre Lauanet

Additional name(s) of conveying parties attached

☒ No.

101313897



2. Name and address of receiving party(ies)

Name: MELEXIS nv

Street Address: Rozendaalstraat 12

City: Ieper B-8900 BELGIUM

3. Nature of conveyance:

☒ Assignment ☐ Merger

☐ Security Agreement ☐ Change of Name

☐ Other:

Execution Date: February 9, 2000; February 14, 2000

Additional names and addresses attached? ☐ Yes ☒ No

4. Application Number(s) or Patent Numbers.

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s): 09/444,550

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Gerald T. Gray
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(415) 576-0200

6. Total number of applications and patents involved 1 (one)

7. Total fee (37 CFR 3.41): -----\$40.00

☐ Enclosed ☒ Charge Fees to Deposit Account

☒ Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.

8. Deposit account number: 20-1430

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.

Gerald T. Gray
Name of Person Signing

Signature

2/29/00
Date

Atty Reg. No. 41,797

Total number of pages including cover sheet, attachments and document 6 (six)

10. Change Correspondence Address to that of Part 5? ☒ Yes ☐ No

OMB No. 0651-0011 (exp. 4/94)

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Mail documents to be recorded with required cover to:

04/10/2000 TTC:11 030000 201430 03444550

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Asst. Commissioner for Patents
Box: Assignments
Washington, D.C. 20231

SF 1072010 v1

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ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Rudi De Winter, of Corbiestraat 9, Heusden-Zolder, B-3550, Belgium, Brad Marshall, of 33 Guinea Road, Dumbarton, NH 03045, Vincent Hiligsmann, of Quai des Ardennes 157/21, Chenée, B-4032, Belgium, Francois-Pierre Laulanet, of 129 Avenue Le Marinel, Brussels, 1040, Belgium, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: LOW PIN COUNT DC-MOTOR
INTEGRATED DRIVE CIRCUIT

Date(s) of execution of Declaration: 2/9/00 ; 2/14/00

Filing Date: November 22, 1999

Application No.: 09/444,550; and

WHEREAS, MELEXIS nv, of Rozendaalstraat 12, B-8900 Ieper, Belgium, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

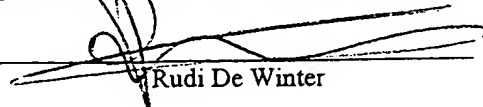
For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

NOT FOR
RECORDATION

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 9 Feb. 2000


Rudi De Winter

STATE OF CALIFORNIA)

ss.

COUNTY OF _____)

On 9 Feb. 2000, before me, Jos Vanmeelen, personally appeared Rudi De Winter, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC

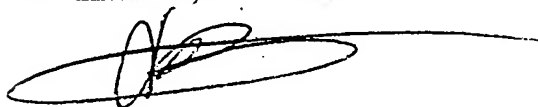
My Commission Expires: _____

WITNESSED BY:

Name: Jos Vanmeelen

Address: Grootstr. 211 Belgium

Date: 09-02-2000



WITNESSED BY:

Name: _____

Address: _____

Date: _____

WITNESSED BY:

Name: _____


Address: _____

Date: _____

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RECORDATION

Assignment
Application No.: 09/444,550
Page 3

Dated: 14 Feb 2000


Brad Marshall

STATE OF CALIFORNIA)
)
COUNTY OF) ss.

On 14 Feb 2000, before me, Marc Lajeunesse, personally appeared Brad Marshall, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

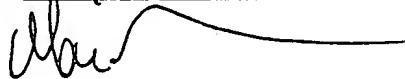
WITNESS my hand and official seal.

NOTARY PUBLIC

My Commission Expires: _____

WITNESSED BY:

Name: Marc Lajeunesse
Address: 14 Dunblake St Concord
Date: 2/14/00



WITNESSED BY:

Name: _____
Address: _____
Date: _____

WITNESSED BY:

Name: _____
Address: _____
Date: _____

NOT FOR
RECORDATION

Assignment
Application No.: 09/444,550
Page 4

Dated: 9 Feb 00



Vincent Hiligsmann

STATE OF CALIFORNIA)
)
COUNTY OF) ss.

On 9 Feb, 2000, before me, Mr. Vanhaelen, personally appeared
Vincent Hiligsmann, personally known to me (or proved to me on the basis of satisfactory evidence)
to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that
he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC


My Commission Expires: _____

WITNESSED BY:

Name: Mr. Vanhaelen

Address: Grootse 247b Belgium

Date: 09-02-2000



WITNESSED BY:

Name: _____

Address: _____

Date: _____

WITNESSED BY:

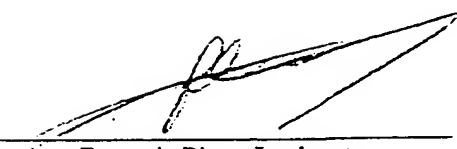
Name: _____

Address: _____

Date: _____

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RECORDATION

Dated: 09 Feb. 2000


Francois-Pierre Laulanet

STATE OF CALIFORNIA)
)
COUNTY OF)

ss.

On 9 Feb. 2000, before me, Inge Vanstraelen, personally appeared Francois-Pierre Laulanet, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC

My Commission Expires: _____

WITNESSED BY:

Name: Inge Vanstraelen

Address: Grootstr. 2476 Belgium

Date: 09-02-2000



WITNESSED BY:

Name: _____

Address: _____

Date: _____

WITNESSED BY:

Name: _____

Address: _____

Date: _____